chain nodes :
    1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19
chain bonds :
    1-2   3-4   5-6   6-7   7-8   7-11   8-9   9-10   11-12   12-13   12-14   12-15   15-16   16-17   16-18
    18-19
exact/norm bonds :
    3-4   7-8   8-9   9-10   16-17   16-18   18-19
exact bonds :
    1-2   5-6   6-7   7-11   11-12   12-13   12-14   12-15   15-16

Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS   9:CLASS   10:CLASS
    11:CLASS   12:CLASS   13:CLASS   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:CLASS   19:CLASS